

AMENDMENTS TO THE CLAIMS

CLAIM 1 (CURRENTLY AMENDED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer to reset the computer in response to the occurrence of a predetermined traveling condition and without dependence on the operation of the control device.

CLAIM 2 (ORIGINAL): The device according to claim 1 wherein the traveling condition comprises bicycle speed.

CLAIM 3 (ORIGINAL): The device according to claim 2 wherein the predetermined traveling condition comprises the bicycle speed being below a predetermined value.

CLAIM 4 (ORIGINAL): The device according to claim 1 wherein the traveling condition comprises a signal output by an alternating current generator.

CLAIM 5 (ORIGINAL): The device according to claim 4 wherein the traveling condition comprises a frequency output by the alternating current generator.

CLAIM 6 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition;

wherein the traveling condition comprises a frequency output by an alternating current generator; and

wherein the predetermined traveling condition comprises the frequency output by the alternating current generator being below a predetermined value.

CLAIM 7 (ORIGINAL): The device according to claim 4 wherein the traveling condition comprises a voltage output by an alternating current generator.

CLAIM 8 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition;

wherein the traveling condition comprises a voltage output by an alternating current generator;

wherein the predetermined traveling condition comprises the voltage output by the alternating current generator being below a predetermined value.

CLAIM 9 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition;

wherein the reset circuit provides a reset warning signal prior to providing the reset signal.

CLAIM 10 (ORIGINAL): The device according to claim 9 wherein the reset circuit provides the reset signal a predetermined time interval after providing the reset warning signal.

CLAIM 11 (ORIGINAL): The device according to claim 9 further comprising a memory coupled to the computer, and wherein the computer stores operating information in the memory in response to the reset warning signal.

CLAIM 12 (ORIGINAL): The device according to claim 11 wherein the memory comprises a nonvolatile memory.

CLAIM 13 (ORIGINAL): The device according to claim 9 wherein the reset circuit switches a power signal to the computer to a predetermined state in response to the occurrence of the predetermined traveling condition.

CLAIM 14 (ORIGINAL): The device according to claim 13 wherein the reset signal and the power signal comprise separate signals.

CLAIM 15 (ORIGINAL): The device according to claim 13 wherein the reset circuit switches the power signal off in response to the occurrence of the predetermined traveling condition.

CLAIM 16 (CURRENTLY AMENDED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and
a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition and without dependence on the operation of the control device;

~~The device according to claim 1~~ wherein the reset circuit switches a power signal to the computer to a predetermined state in response to the occurrence of the predetermined traveling condition.

CLAIM 17 (ORIGINAL): The device according to claim 16 wherein the reset circuit switches the power signal off in response to the occurrence of the predetermined traveling condition.

CLAIM 18 (ORIGINAL): The device according to claim 16 wherein the reset signal and the power signal comprise separate signals.

CLAIM 19 (ORIGINAL): The device according to claim 16 wherein the power signal comprises a direct current signal.

CLAIM 20 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device;

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition;

wherein the reset circuit switches a direct current power signal to the computer to a predetermined state in response to the occurrence of the predetermined traveling condition; and

a rectifier for rectifying an alternating current signal from a dynamo installed on the bicycle into the direct current signal.

CLAIM 21 (ORIGINAL): The device according to claim 1 wherein the reset circuit comprises:

a reset signal output circuit; and

a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition.

CLAIM 22 (CURRENTLY AMENDED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition and without dependence on the operation of the control device;

~~The device according to claim 21~~ wherein the reset activating circuit comprises:

a reset signal output circuit;

a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition; and

a power switching circuit that switches power to the reset activating circuit to a predetermined state in response to the occurrence of the predetermined traveling condition.

CLAIM 23 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition, wherein the reset circuit comprises:

a reset signal output circuit; and

a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition, wherein the reset activating circuit comprises a power switching circuit that switches power to the reset activating circuit to a predetermined state in response to the occurrence of the predetermined traveling condition;

wherein the reset circuit provides a reset warning signal prior to providing the reset signal.

CLAIM 24 (ORIGINAL): The device according to claim 22 wherein the reset activating circuit switches a power signal off to the reset activating circuit in response to the occurrence of the predetermined traveling condition.

CLAIM 25(PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and

a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition, wherein the reset circuit comprises:

a reset signal output circuit; and

a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition, wherein the reset activating circuit comprises a power switching circuit that switches power to the reset activating circuit to a predetermined state in response to the occurrence of the predetermined traveling condition;

wherein the reset activating circuit switches a power signal off to the computer in response to the occurrence of the predetermined traveling condition.

CLAIM 26 (PREVIOUSLY PRESENTED): An electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises:

a programmed computer that controls the control device; and
a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition, wherein the reset circuit comprises:

a reset signal output circuit; and

a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition, wherein the reset activating circuit comprises a power switching circuit that switches power to the reset activating circuit to a predetermined state in response to the occurrence of the predetermined traveling condition;

wherein the reset activating circuit switches the power signal off to the reset activating circuit and to the computer in response to the occurrence of the predetermined traveling condition.

CLAIM 27 (ORIGINAL): The device according to claim 26 wherein the reset circuit provides a reset warning signal to the computer prior to providing the reset signal.